

Photograph 1

◆AFM観察結果

observation result by AFM

PPSとアルミニウムとが接合した試験片のアルミニウムを溶解し、得られたPPS面を観察した。

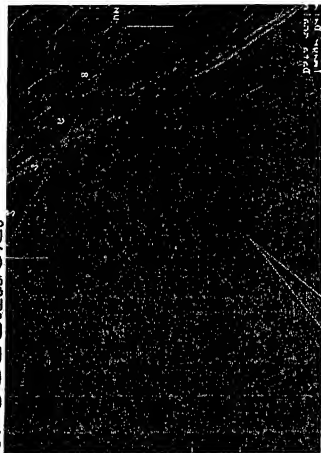
We observed the surface of PPS that dissolved only aluminum alloy in the aluminum alloy-and PPS resin composite.

PPSが微細孔へ流入していることを確認した。

PPS spread in the fine recesses and confirmed that filled up the fine recesses with this photograph.



The aluminum alloy dissolution ↑



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PPS spread in the fine recesses and confirmed that filled up the fine recesses

TP091013H09

Confidential

Photograph 2

接合強度が低い成形条件での微細孔流入状態の確認

Observation by various molding conditions when filled up the fine recesses

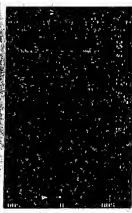
PPS-アルミニウム接合片のアルミニウムを溶解し、得られたPPS面のAFM観察

We observed the surface of PPS by AFM that dissolved only aluminum alloy in the aluminum alloy and PPS resin composite.

Keep pressure after a injection 通常保圧 68MPa

at 1. (General pressure)

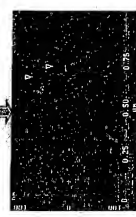
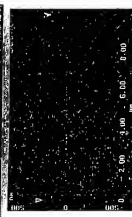
保圧 1MPa keep pressure after a injection



The shear breaking strength

接合強度

27MPa



21MPa

#00103-17:08

ograph 2